Claims

1. A radio apparatus (95), particularly for mobile radio, having a receiver part (1), characterized in that an evaluation unit (5) is provided, which controls the receiver part (1) as a function of a predeterminable signal reception quality and the actual signal reception.

2. The radio apparatus (95) of claim 1, characterized in that in the event of defective signal reception, the evaluation unit (5) increases the sensitivity and/or signal- to-noise ratio, particularly in the event of neighboring channel disturbance or intermodulation, of the receiver part (1), and in the event of error-free signal reception for a predetermined time lowers the sensitivity and/or signal-to- noise ratio of the receiver part (1).

3. The radio apparatus (95) of claim 1 or 2, characterized in that in that the receiver part (1) includes at least one add-on reception amplifier (10), and that the evaluation unit (5) adds the at least one reception amplifier (10) in the event of defective signal reception and bypasses it in the event of error-free signal reception.

4. The radio apparatus (95) of claim 1, 2 or 3, characterized in that the receiver part (1) has at least one mixer (15), and that the evaluation unit (5), in the event of defective signal reception, increases the power supply of the at least one mixer (15) to a first pre-determined value and in the

event of error-free signal reception reduces it to a second predetermined value.

5. The radio apparatus (95) of one of the foregoing claims that the receiver part (1) includes at least one first filter configuration (100) and one second filter configuration (105), and that the evaluation unit (5) adds the filter configuration (100, 105) in which a higher signal- to-noise ratio of the receiver part (1) is assured.

6. The radio apparatus (95) of one of the foregoing claims, characterized in that an operating mode is provided in which the evaluation unit (5) increases the sensitivity and/or the signal-to-noise ratio of the receiver part (1) to a maximum value.

7. The radio apparatus (95) of claim 6, characterized in that in the operating mode, the evaluation unit (5) adds the at least one reception amplifier (10) in the receiver part (1) and/or increases the power supply of the mixer (15) to the second predetermined value and/or switches over to the filter configuration (100) in which a greater signal-to-noise ratio of the receiver part (1) is assured.

8. The radio apparatus (95) of claim 6 or 7, characterized in that an insertion slot (20) for a chip card and a card reader (25) are provided, and that the operating mode can be established as a function of a chip card detected in the insertion slot (20) by the card reader (25).

9. The radio apparatus (95) of claim 6, 7 or 8, characterized in that the operating mode can preferably be established by means of a push button switch (30) on the radio apparatus.

10. The radio apparatus (95) of one of claims 6 through 9, characterized in that the operating mode can be established at the radio apparatus (95) as a function of a request by a base station, preferably for sending back a signal sent previously to the radio apparatus (95).

11. The radio apparatus (95) of one of claims 6 through 10, characterized in that the operating mode can be established upon detection of an external power supply (110), in particular via a power supply adapter, and/or of a connected external antenna (115).

12. The radio apparatus (95) of one of claims 6 through 11, characterized in that a sensor (120) is provided, and that the operating mode can be established as a function of a measured value ascertained by the sensor (120).

13. The radio apparatus (95) of claim 12, characterized in that the sensor (120) detects the charge of a battery (55) connected to the radio apparatus (95) and that the operating mode can be established as a function of the charge of the battery (55) detected by the sensor (120).

14. The radio apparatus (95) of one of claims 6 through 13, characterized in that an interface (125) is provided for connecting a data processing unit (130), and that the operating mode can be established as a function of data transmitted to the radio apparatus (95) via the interface (125).

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Add C1